

Dixon's couplings and retention devices are designed to work safely for their intended use. The selection of the proper hose, coupling and retention device, and the proper application of the coupling to the hose are of utmost importance.

Users must consider the size, temperature, application, media, pressure and hose and coupling manufacturer's recommendations when selecting the proper hose assembly components. Dixon recommends that all hose assemblies be tested in accordance with the Association for Rubber Products Manufacturer's (ARPM) recommendations and be inspected regularly (before each use) to ensure that they are not damaged or have become loose. Visit ARPMINC.com for more information.

Where safety devices are integral to the coupling, they must be working and utilized. The use of supplementary safety devices such as safety clips or safety cables are recommended.

If any problem is detected, couplings must be removed from service immediately.

Dixon is available to consult, train and recommend the proper selection and application of all fittings we sell. We strongly recommend that distributors and end users make use of Dixon's Testing and Recommendation Services. Call 877.963.4966 or click dixonvalve.com to learn more.

The Importance of Whip Hose

The constant vibration created by air tools, like air drills and pavement breakers, is destructive to air hose couplings, especially the quick-acting type. To provide a safer working environment, connect one end of a 3' to 10' length of air hose to the tool using Dixon's No. 3500 Steel Nipple. This nipple is designed to specifically handle vibration applications. Connect the other end of hose to the air supply using the standard quick-acting coupling. The Whip Hose should remain permanently connected to the tool.

OSHA Regulations

ASME Air Receiver Manifold-1910.169; 1926.306 King Safety Cable-1926.302 (b1) Air King Safety Clip-1926.302 (b2)

Safety Check Valve-1926.302 (b7) Safety Vented Ball Valve-1910.147

The regulations may be viewed in full on the OSHA website, osha.gov. Please check the website for updates.

Installation and Inspection Procedures

Procedure # 1000

Boss clamp selection

Procedure # 2000

Installation of Boss 2 bolt clamp

Procedure # 2001

Installation of Boss 4 bolt clamp





Dixon Customer Service

Procedure # 2300

Installation of King Cable Safety Cable

Procedure # 2306

Crimping Unirange, Air King, Dix-Lock and Dual-Lock couplings

Procedure # 3001

Bolt Clamp Inspection



Facebook Page

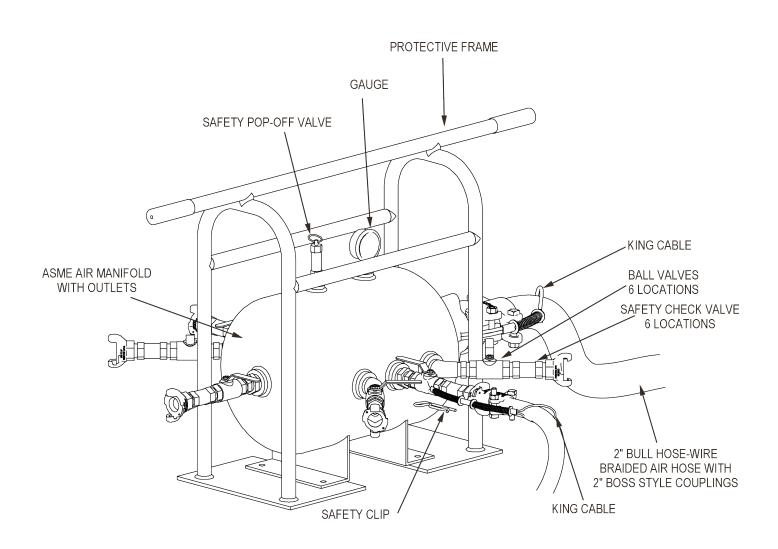


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A printed copy of the complete Installation and Inspection Procedures Manual is available upon request.

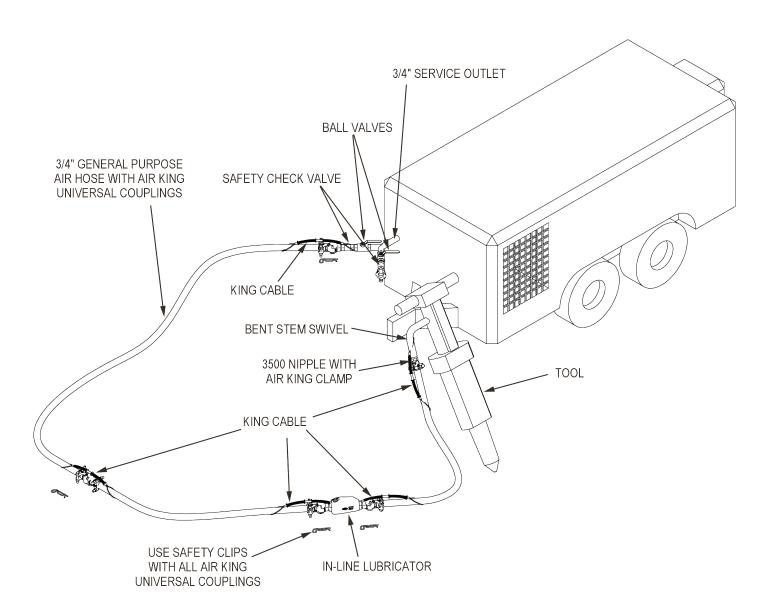
All dimensions are nominal. All package quantity shown is optional.

Detailed view of manifold assembly

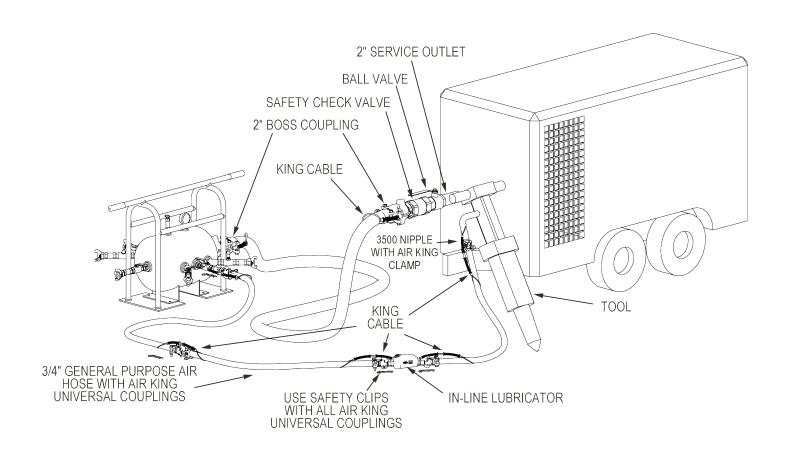


Compressor

125 CFM



$\begin{array}{c} \text{Compressor} \\ 600 \text{ CFM} \end{array}$



Air-King

Universal Couplings

Dixon Air King couplings are recommended for use on virtually any type of pneumatic equipment.

Service:

- The maximum recommended working pressure for Dixon Air King is 150 PSI at ambient temperature (70°F).
- · for air and water service only.

Warning: Not to be used for steam.

Features:

- A universal head that is identical for all parts in the 1/4" to 1" range. With this head, any Dixon fittings within that range can be connected regardless of hose shank or thread size.
- · Couplings with optional ferrules permanently attached are provided ready to install.
- · Safety There are three safety features built into every Dixon Air King:
 - Washer design (A) Dixon AWR4 washers supplied with every Air King are designed to seal up to 150 PSI.
 The washer design helps keep the coupling together while pressurized.
 - 2. Internal lug design (B) –Cast inside each Air King lug is a ninety-degree step that locks with an opposite step on the outside of the adjoining Air King part. These step-locks provide additional holding power to keep the Air King connected up to its **150 PSI** rating at **70° F** ambient temperature.
 - 3. Safety Clip (C) Unexpected twisting of hose assemblies can occur during use. To eliminate the possibility of accidentally disconnecting, each Air King comes with a Safety Clip. This clip is designed to be inserted into the locking holes (D) on the fittings. The use of a Safety Clip assures the users that the fittings have been properly connected.

Connecting:

- · Push two couplings together and turn the one in your right hand until they seat.
- Insert an Air King safety clip through the hole in the flanged area of the head. If a safety clip is not available, use a cotter pin or wire type retainer. Lanyards (not pictured, see page 9) are available separately to fasten the Safety Clip to the locking head.

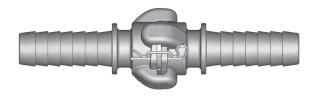
Disconnecting:

Remove the safety clip, cotter pin or wire. Press the couplings together and turn the one in your right hand until
they unseat. Never attempt to disconnect any hose while pressure is in the line.

Interchange:

Although Air King may couple with other manufacturers' fittings, we do not recommend their use with other
products. Not all universal locking heads are made to the same standard.





Air King meets pressure requirements as specified in Commercial Item Description A-A-59553 that supersedes Mil Spec. WWC-633D.

Male NPT Ends

Features:

- · male NPT thread with hex for a wrench
- · available in iron, brass or 316 stainless steel

В

2-9/16"

2-9/16"

2-11/16"

2-13/16"

2-13/16"

Α

2-1/2"

2-1/2"

2-1/2"

2-1/2"

2-1/2"

• available in sizes 1/4" to 1", 1/4" not available in stainless steel

Size	Iron	Opt	Brass	Opt	316 Stainless Steel
	Part #	Qty	Part #	Qty	Part #
1/4"	AMB1	25	ABB1	25	
3/8"	AMB	25	ABB	25	RAMB
1/2"	AM2	50	AB2 ¹	50	RAM2
3/4"	AM7	50	AB7 ¹	50	RAM7
1"	AM12	50	AB12 ¹	50	RAM12

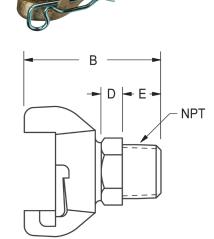
1-1/2"

3/8"

13/16"

Dimensions С D NPT Ε 1" 9/16" 5/8" 1/4" 1" 9/16" 5/8" 3/8" 1-1/8" 1/2" 3/4" 1/2" 1-3/8" 9-16" 13/16" 3/4"

1"



Female NPT Ends

Features:

Size

1/4"

3/8"

1/2"

3/4"

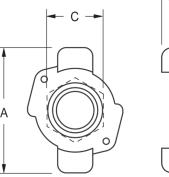
1"

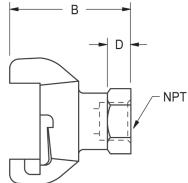
- · female NPT thread with hex for a wrench
- · available in malleable iron, brass or 316 stainless steel
- available in sizes 1/4" to 1", 1/4" not available in stainless steel

Size	Iron	Opt Qty	Brass	Opt Qty	316 Stainless Steel
	Part #	Qty	Part #	Qty	Part #
1/4"	AMC1	25	ABC1	25	
3/8"	AMC	25	ABC	25	RAMC
1/2"	AM3	50	AB3 ¹	50	RAM3
3/4"	AM8	50	AB8 ¹	50	RAM8
1"	AM13	50	AB13 ¹	50	RAM13

Size	Α	В	С	D	NPT
1/4"	2-1/2"	2-7/16"	1-1/8"	3/8"	1/4"
3/8"	2-1/2"	2-7/16"	1-1/8"	3/8"	3/8"
1/2"	2-1/2"	2-7/16"	1-1/8"	3/8"	1/2"
3/4"	2-1/2"	2-7/16"	1-7/16"	3/8"	3/4"
1"	2-1/2"	2-1/16"	1-5/8"	3/8"	1"

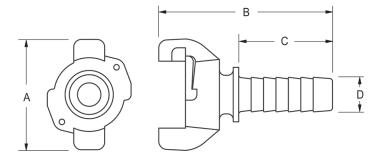






Hose Ends





Features:

- · available in iron, brass or 316 stainless steel
- available in sizes 3/8" to 1", 5/8" not available in stainless steel

Size	<i>Iron</i> Part #	Opt Qty	Brass Part #	Opt Qty	316 Stainless Steel Qtv
3/8"	AMH 1	25	ABH	25	RAMH
/8	AIVIT	25	АВП	25	KAMIT
1/2"	AM1	50	AB1 ¹	50	RAM1
5/8"	AM5	50	AB5	50	
3/4"	AM6	50	AB6 1	50	RAM6
1"	AM11	50	AB11 ¹	50	RAM11

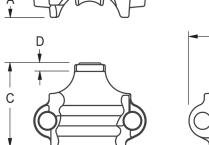
¹ may be used with Air King ferrules

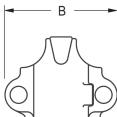
Dimensions

Size	Α	В	С	D
3/8"	2-1/2"	3-7/16"	1-5/8"	7/16"
1/2"	2-1/2"	3-7/16"	1-5/8"	17/32"
5/8"	2-1/2"	4-1/4"	2-7/16"	11/16"
3/4"	2-1/2"	4"	2-1/16"	25/32"
1"	2-1/2"	4-25/32"	2-11/16"	1-1/16"

Clamps







Features:

- Air King clamps should be used on all Air King shank fittings
- clamp fingers engage on the collar behind the universal head to anchor the coupling to the hose
- the ridges on the underside provide additional retention
- available in zinc plated iron in sizes 3/8" to 1"

	Hose	OD	Plated Iron	_	
Size	From:	To:	Part #	Opt Qty	Torque ¹
3/8"	44/64"	56/64"	CD ³	100	6
1/2"	1"	1-12/64"	A4	50	6
3/4"	1-8/64"	1-20/64"	A9 ³	50	21
1"	1-20/64"	1-32/64"	A10 ^{2, 3}	50	21
1"	1-32/64"	1-52/64"	A14	50	21

- ¹ recommended torque rating in lbs.
- ² can be used with **AM6** and **AM11**
- ³ global investment cast carbon steel

Note: Torque values for clamps are based on dry bolts. The use of lubricant on bolts will adversely effect clamp performance.



	Dillio	11010110		
e l	Ą	В	С	D
" 17/	/32" 1-1	1/16" 1-	-7/16"	1/8"
" 25/	/32" 2-1	/16" 1-	17/32"	5/32"
7/	/8" 2-13	3/16" 1-	21/32"	1/8"
	I" 2-19	9/32" 1-	15/16"	9/32"
3/	/4" 3-1	/32" 2	2-1/4"	5/32"
	" 25 <i>i</i>	e A 17/32" 1-1 ⁻¹ 25/32" 2-1 7/8" 2-1; 1" 2-19	17/32" 1-11/16" 1 " 25/32" 2-1/16" 1- 7/8" 2-13/16" 1- 1" 2-19/32" 1-	e A B C " 17/32" 1-11/16" 1-7/16" " 25/32" 2-1/16" 1-17/32" 7/8" 2-13/16" 1-21/32" 1" 2-19/32" 1-15/16"

Features:

- Blank end fittings have no outlet and are used to block the line at any coupling point.
- The end opposite the coupling head is flat, with an eye for a chain to secure the fitting when not in use.
- · available in iron, brass and 316 stainless steel

<i>Iron</i> Part #	Opt Qty	<i>Brass</i> Part #	Opt Qty	316 Stainless Steel Part #
AM0	25	AB0 ¹	25	RAM0

¹ global investment cast











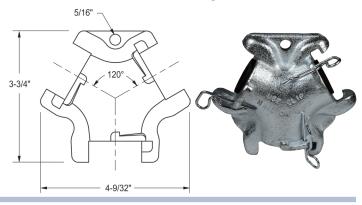
Triple Connections

Features:

- Triple connection consists of three universal couplings that provide an extra outlet when connected to the line.
- · available in iron or brass

Iron	Opt	Brass	Opt
Part #	Qty	Part #	Qty
AM10	25	AB10 ¹	25

¹ global investment cast



Air King Safety Pins, Clips, Lanyards and Washers

The use of an Air King safety clip or wire type retainer is necessary to ensure the couplings will not become accidentally disconnected. The clip will not go through the locking holes unless the couplings are locked in place. Only one safety clip or wire type retainer is required for each assembly.



Standard Safety Clips

Features:

 same size for all coupling sizes

Wire Diameter	Part #	Pkg Qtv
.080	AC1	25



Air King Safety Pins

Features:

heavy duty, oversized

Wire	Part #
Diameter	Pail#
.058	AKSP1
.091	AKSP25



Lanyards

Features:

 same size for all coupling sizes

Part #	Pkg Qty
ACL8	25
Fastures	

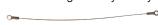
Features:

breaking strength: 160 lbs.
 304 Stainless Part #
 LR7

· synthetic cord



overall length: 7" eye to eye



Stainless Steel Clips

Features:

 same size for all coupling sizes

Wire Diameter	Part #	
.072	AC7	



Features:

- 2 lug couplings use the same size washer (AWR4, AWS6)
- 4 lug couplings use the same size washer (AWR14)
- rubber temperature range: -20°F to 160°F
- neoprene temperature range: -20°F to 190°F
- · neoprene is oil resistant

Washers

Part #	Material	Style	Pkg Qty	
AWR4 ¹	rubber	2 lug	50	
AWS6	neoprene	2 lug	50	
AWR14	rubber	4 lug		

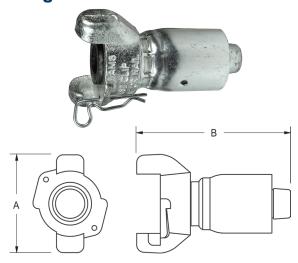
¹ made from Styrene-butadiene (SBR)







Air King with Ferrules



Features:

- · couples with other Air King fittings
- · rated to 150 PSI working pressure at 70° F ambient temperature
- · ferrules are available on iron and stainless steel
- · carbon steel ferrules can be crimped or swaged
- for air and water service only



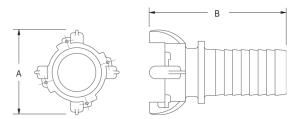
Style	Hose OD		Iron	316 Stainless Steel
	From	То	Part #	Part #
1/2"	54/64" 1-2/64"		AM1WF	
3/4"	1-4/64"	1-22/64"	AM6WF	RAM6WF
1"	1-18/64"	1-34/64"	AM11WF-1	
1"	1-30/64"	1-46/64"	AM11WF	

Dimensions

Size	A	В
1/2"	2½"	3-7/16"
3/4"	2½"	3-15/16"
1"	2½"	4-25/32"

4-Lug Quick Acting Couplings





Features:

Not to be used for steam service. Must use safety clips.



- · Safety clips are same size for both 2-lug and 4-lug Universal Couplings, see page 9. Use safety clips on all Universal Coupling applications.
- · Boss clamps recommended, see pages 20 and 21 for clamp selection.
- rated to 150 PSI working pressure at 70° F ambient temperature

Hose Ends

Size	<i>Iron</i> Part #	<i>Brass</i> Part #	Opt Qty
11/4"	AM16	AB161	25
1½"	AM21	AB211	25
2"	AM26	AB26	10

¹ item will be discontinued when stock is depleted

Dimensions

Size	Α	В
11/4"	5-5/8"	3-3/4"
11/2"	5-7/8"	3-3/4"
2"	6-1/16"	3-3/4"

Female NPT Ends

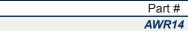
Size	<i>Iron</i> Part #	<i>Brass</i> Part #	Opt Qty
11/4"	AM18	AB181	25
1½"	AM23	AB231	25
2"	AM28	AB28	10

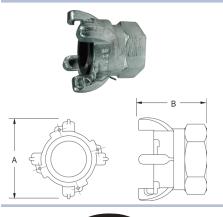
¹ item will be discontinued when stock is depleted

Dimensions

Size	A	В	
11/4"	2-15/16"	3-3/4"	
1½"	3"	3-3/4"	
2"	3-3/32"	3-3/4"	

Rubber Washer for 4-lug





· fits all sizes

Male NPT Ends

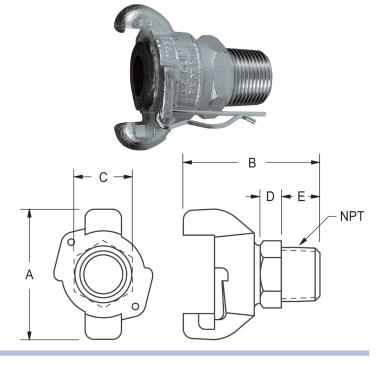
Features:

- · male NPT thread with hex for a wrench
- supplied with safety clip and rubber washers

Cino	Plated Steel	Pkg
Size	Part #	Qty
1/2"	GAM2	25
3/4"	GAM7	50
1"	GAM12	50

Dimensions

Size	Α	В	С	D	Е	NPT
1/2"	21/2"	2-11/16"	1"	3/8"	7/8"	1/2"
3/4"	21/2"	2-11/16"	1-11/32"	21/64"	7/8"	3/4"
1"	2½"	2-3/4"	1½"	5/16"	1"	1"



Features:

- female NPT thread with hex for a wrench
- · supplied with safety clip and rubber washers

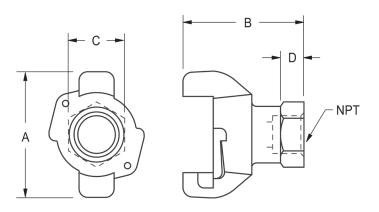
Cino	Plated Steel	Pkg
Size	Part #	Qty
1/2"	GAM3	25
3/4"	GAM8	50
1"	GAM13	50

Dimensions

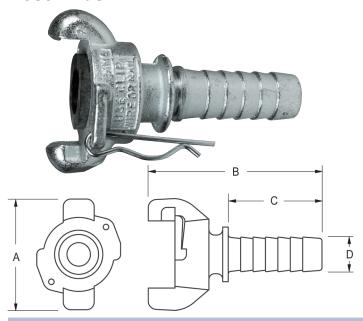
Size	Α	В	С	D	NPT
1/2"	2½"	2-1/8"	1-1/8"	3/8"	1/2"
3/4"	2½"	2-5/32"	1-7/16"	3/8"	3/4"
1"	21/2"	2-13/16"	1-5/8"	3/8"	1"

Female NPT Ends





Hose Ends

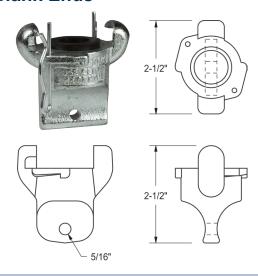


Size	Plated Steel	Pkg
Size	Part #	Qty
1/2"	GAM1	25
3/4"	GAM6	50
1"	GAM11	50

Dimensions

Size	Α	В	С	D
1/2"	2½"	3-3/8"	1-21/32"	17/32"
3/4"	2½"	3-31/32"	2-1/8"	25/32"
1"	2½"	4-21/32	2-25/32"	1-1/16"

Blank Ends

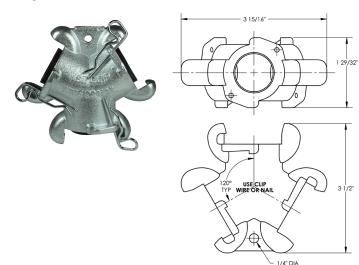


Features:

- Blank end fittings have no outlet and are used to block the line at any coupling point.
- The end opposite the coupling head is flat, with an eye for a chain to secure the fitting when not in use.

Plated Steel	Pkg
Part #	Qty
GAM0	25

Triple Connection



Feature:

• Triple connection consists of three universal couplings that provide an extra outlet when connected to the line.

Plated Steel				
Part #	Qty			
GAM10	25			

4-Lug Quick Acting Couplings - Hose Ends

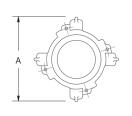
Features:

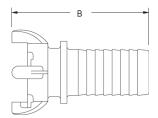
- supplied with safety clip and rubber washers
- pressure rating: 150 PSI at ambient temperature (70°F)
- use with Boss clamps
- not to be used for steam service
- must use safety clips, safety clips are same size for both 2-lug and 4-lug Air King Couplings





Size	Plated Steel Part #	Pkg Qty
11/4"	GAM16	25
1½"	GAM21	25
2"	GAM26	10





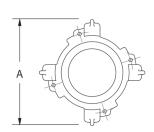
Size	A	В
11/4"	3¾"	5-5/8"
1½"	3¾"	5-7/8"
2"	3¾"	6-1/16"

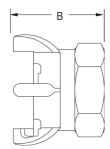
4-Lug Quick Acting Couplings - Female NPT Ends

Size	Plated Steel Part #	Pkg Qty
11/4"	GAM18	25
1½"	GAM23	25
2"	GAM28	20









Boss

Coupling System

Boss Couplings supply a convenient threaded fitting to connect two lengths of hose, or a single length to a male or female threaded (NPT) outlet.

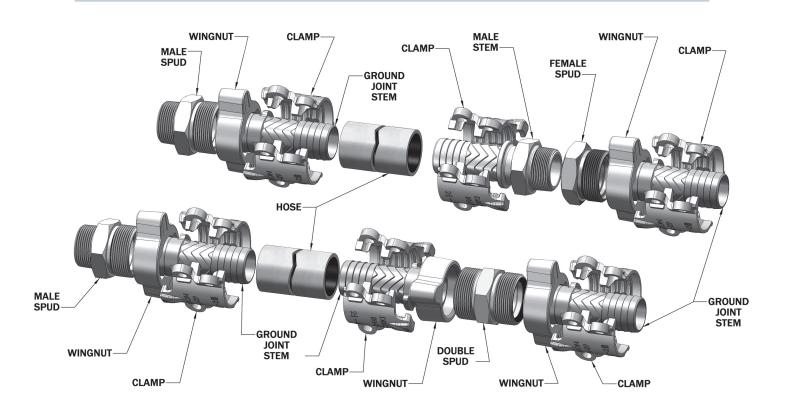
<u>Features:</u> The spud part of the coupling serves as one half of the connection and is usually fixed to the equipment. The stem part that is clamped to the hose is the other half. The two halves are connected or disconnected by rotating the wing nut onto the spud. When connected they achieve a mechanical, as well as, a pressure seal.

<u>Services:</u> Boss couplings are all-purpose hose couplings, universally recommended for steam hose connections. They are also widely used for air, water, fluid petroleum, chemicals and liquid petroleum gas up to 1" ID. Boss couplings can be applied to many types of rubber, synthetic, plastic, metallic or semi-metallic hose. Consult the factory for specific media capabilities.

<u>Purpose:</u> Boss couplings supply a convenient threaded fitting to connect two lengths of hose, or a single length to a male or female threaded (NPT) outlet.

Material:

- stem: ¼" 1" plated steel, 1¼" 4" plated iron, 6" tubular steel
- spud: ¼" 1" plated steel, 1¼" 6" plated iron
- wing nut: ¼" plated steel, 3/8" 6" plated iron





Worn-out hose couplings can be dangerous. They should be checked regularly and replaced when necessary. Each coupling user should review applications and add safety devices where indicated.

Ground Joint

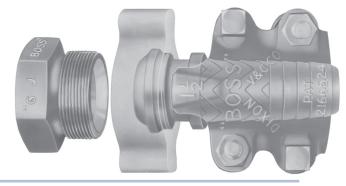
Positive Metal-to-Polymer Seal

Features:

- A leakproof seal is formed when the metal head of the stem makes contact with the patented polymer seat in the spud.
- The non-metallic polymer seat resists most chemicals found in manufacturing facilities.

- recommended for steam service up to 450°F
- easy to seal

- works with existing Ground Joint fittings
- · use with Boss clamps found on pages 20 and 21













GB681





complete fe	male	stem		nuts knu	rled fen	nale spud	male spud	double spud
Hose Shank x NPT	Complete Female Part #	Stem Part #	Opt Qty	Wing Nut Part #	Knurled Nut Part#	Female Spud Part #	Male Spud Part #	Double Spud Part #
1/4"	GF1 ¹	GBA	100	SLS4		GBC ¹		
3/8"	GF3¹	GCA	100	CB		GCC ¹	GMC ¹	
1/2"	GF6	GB1	100	B2		GB3	GM3	GDB3
½" X ¾"	GF26-1	GB6-1	50	B12				
3/4"	GF26	GB6	50	B12	KB12	GB8	GM8	GDB13
1"	GF36	GB11	50	B12	KB12	GB13	GM13	GDB13
11/4"	GF51	GB16	25	B17		GB18	GM18	GDB23
1½"	GF61	GB21	25	B17		GB23	GM23	GDB23
2"	GF81 ²	GB26 ²	10	B27		GB28	GM28	GDB28
21/2"	GF96	GB31	5	B32		GB33	GM33	GDB33
3"	GF111	GB36 ³	5	B37		GB38	GM38	GDB38
4"	GF141	GB46	5	B47		GB48		

6"

1 1/4", 3/8" and 6" come only with copper seat spuds.

GB66

2

B67

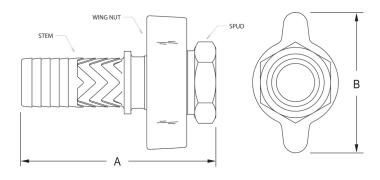
not to be used with #250 or #306 Boss clamps

GB36 will be replaced with GB36CR, this replacement part will have a machined hose shank to accommodate a Boss clamp, King Crimp sleeve or ferrule

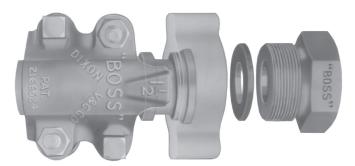
- 'A' dimension represents a complete coupling length with a female spud
- 'B' dimension is the largest dimension over the wing nut
- 1 1/4" coupling has a hex style nut
- ² 4" and 6" couplings have a 3 wing nut design

GF201¹

Size	Α	В
1/4"	2-1/2"	1-5/32" ¹
3/8"	3-1/32"	1-3/4"
1/2"	3-21/32"	2-3/8"
3/4"	4-15/16"	3-9/16"
1"	5-3/16"	3-9/16"
1-1/4"	7"	4-1/4"
1-1/2"	7-1/4"	4-1/4"
2"	7-23/32"	5-5/8"
2-1/2"	9-5/32"	6-3/4"
3"	10-1/32"	7-3/4"
4"	11-1/2"	9-1/2" ²
6"	12"	12-1/4" ²



Washer Type



Features:

- · recommended for steam service up to 450°F
- easy to seal
- Klingersil® C-4401 washer is inserted between the stem and spud
- leakproof seal forms by rotating the wing nut and hammering it tight
- · works with existing fittings
- plated steel and / or iron
- use with Boss clamps found on pages 20 and 21

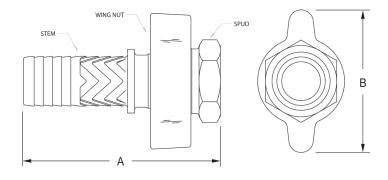


				-				-	
Hose Shank x NPT	Complete Female Part #	Stem Part #	Wing Nut Part#	Knurled Nut Part#	Opt Qty	Female Spud Part #	Male Spud Part #	Double Spud Part #	Washer ¹ Part #
3/8"	WF3	SS337	СВ			СС	WMC		WBC
1/2"	WF6	B1	B2			B 3	WM3	DB3	W2
½" X ¾"	WF26-1	B6-1	B12						
3/4"	WF26	B 6	B12	KB12	25	B8	WM8	DB13	W12
1"	WF36	B11	B12	KB12	25	B13	WM13	DB13	W12
1-1/4"	WF51	B16	B17			B18	WM18	DB23	W17
1-1/2"	WF61	B21	B17			B23	WM23	DB23	W17
2"	WF81 ²	B26 ²	B27			B28	WM28	DB28	W27
2-1/2"	WF96	B31	B32			B33			W32
3"	WF111	B36	B37			B38	WM38	DB38	W37

¹ washer is nitrile rubber bonded, non-asbestos Klingersil® C-4401

² not to be used with #250 or #306 Boss clamps



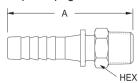


- 'A' dimension represents a complete coupling length with a female spud.
- 'B' dimension is the largest dimension over the wing nut.

Size	Α	В
3/8"	2-25/32"	1-3/4"
1/2"	3-7/16"	2-3/8"
3/4"	4-25/32"	3-9/16"
1"	4-31/32"	3-9/16"
1-1/4"	6-21/32"	4-1/4"
1-1/2"	6-7/8"	4-1/4"
2"	7-15/32"	5-5/8"
2-1/2"	8-25/32"	6-3/4"
3"	9-7/16"	7-3/4"

Features:

- plated steel bar stock use with Boss clamps on pages 20 and 21



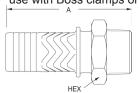
- hex dimension is the distance across the flats
- recommended for steam service up to 450°F



Hose x NPT Size	Dimer	nsions	Steel	Pkg Qty	
Tiose X NFT Size	Α	Hex	Part #	i kg Qty	
1/4" X 1/8"	2-1/4"	9/16"	MS4X2	25	
1/4" x 1/4"	2-3/8"	9/16"	MSA	50	
1/4" X 3/8"	2-7/16"	11/16"	MSB	25	
3/8" X 1/4"	2-5/8"	11/16"	MS6X4	25	
3/8" X 3/8"	2-11/16"	11/16"	MSC	100	
3/8" X 1/2"	2-15/16"	7/8"	MS6X8	25	
½" X ¼"	3"	13/16"	MS8X4	25	
1/2" X 3/8"	3"	7/8"	MS8X6	50	
½" X ½"	3-3/16"	7/8"	MS1	25	
½" X ¾"	3-3/16"	1-1/8"	MS8X12	25	
3/4" X 1/2"	4-3/32"	1-1/8"	MS12X8	25	
3/4" X 3/4"	4-3/32"	1-1/8"	MS6	25	
3/4" x 1"	4-11/32"	1-3/8"	MS12X16	25	
1" x ¾"	4-13/32"	1-3/8"	MS16X12	25	
1" x 1"	4-19/32"	1-3/8"	MS11	25	

Features:

- castings
- use with Boss clamps on pages 20 and 21





plated iron



· hex dimension is the distance across the flats

· recommended for steam service up to 450°F



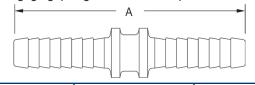
brass

316 stainless

Hose x NPT Size	Dimensions		Plated Iron Pkg Qty		Brass	316 Stainless
11036 X IVI 1 3126	Α	Hex	Part #	I NG QLY	Part #	Part #
1/2"	3-1/4"	7/8"				RMS1
3/4"	4-5/32"	1-1/8"			BMS6	RMS6
1"	4-21/32"	1-3/8"			BMS11	RMS11
11/4"	6-1/32"	2-1/8"	MS16	20	BMS16	RMS16
1½"	6-5/16"	2-7/16"	MS21	20	BMS21	RMS21
2"	6-7/8"	2-7/8"	MS26	10	BMS26	RMS26
2½"	8-5/8"	3-5/8"	MS31	5		RMS31
3"	9-1/2"	4-1/8"	MS36	5	BMS36	RLP36 1
4"	11"	5"	MS46	2		RLP46 ¹

¹ tubular steel

· collars engage grip fingers of Boss clamps



½" plated steel, ¾" - 3": plated iron

Hose Menders



Size	Dimension A	Part #	Size	Dimension A	Part #
1/2"	4"	M1	1½"	8-3/8"	M21
3/4"	6"	М6	2"	9-1/16"	M26
1"	6-13/16"	M11	2½"	10-1/2"	M31
11/4"	7-7/8"	M16	3"	11-7/8"	M36

Holedall Fittings

Applications:

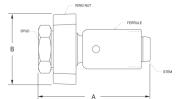
- designed for air and liquid applications where a permanent, low profile clamping system is desired
- not for steam service



Features:

- · supplied with carbon steel ferrules
- consult Dixon for swage and/or crimp specifications





- 'A' dimension represents a complete coupling length with a female spud.
- · 'B' dimension is the largest dimension over the wing nut.

	Hose OD		Plated Iron /	Stainless Steel
Size			Steel	
	From:	To:	Part #	Part #
	1-10/64"	1-14/64"	GF26P1	
3/4"	1-15/64"	1-18/64"	GF26P2	
	1-19/64"	1-22/64"	GF26P3	
	1-30/64"	1-34/64"	GF36P1	
1"	1-35/64"	1-38/64"	GF36P2	
	1-39/64"	1-42/64"	GF36P3	
	1-20/64"	2"	GF61P1	RGF61P1
1½"	2-1/64"	2-8/64"	GF61P2	RGF61P2
	2-9/64"	2-16/64"	GF61P3	
	2-36/64"	2-40/64"	GF81P1	RGF81P1
2"	2-41/64"	2-48/64"	GF81P2	RGF81P2
	2-49/64"	2-56/64"	GF81P3	
	3-26/64"	3-40/64"	GF111P1	
3"	3-41/64"	3-48/64"	GF111P2	
	3-49/64"	3-56/64"	GF111P3	

Dimensions

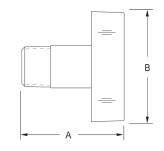
Size	Α	В
3/4"	4-3/4"	3-9/16"
1"	5-1/8"	3-9/16"
1-1/2"	7-1/16"	4-3/8"
2"	7-9/16"	5-5/8"
3"	9-1/2"	7-3/4"

Adapters

Features:

- plated steel and / or iron
- designed to fit the standard ground joint spuds on page 15
- supplied with a wing nut, as shown
- for safety tags and safety tape, see page 45





Male NPT

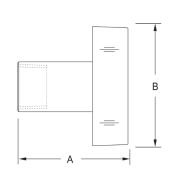
Size	Part #	Pkg Qty
3/4"	GMAS6	25
1"	GMAS11	25
11/4"	GMAS16	10
11/2"	GMAS21	10
2"	GMAS26 ¹	10

¹ uses a special wing nut, part # B27-3

Dimensions

Size	A	В
3/4"	3-1/16"	3-9/16"
1"	3-5/16"	3-9/16"
11/4"	4"	4-1/4"
11/2"	4-1/8"	4-1/4"
2"	4-5/16"	5-5/8"





	Female NP1				
Size	Part #				
3/4"	GFAS6				
1"	GFAS11				
11/4"	GFAS16				
11/2"	GFAS21 ¹				
2"	GEAS26				

¹ part is produced as a welded fabrication

	=	
Size	A	В
3/4"	3-1/8"	3-9/16"
1"	3-5/16"	3-9/16"
11/4"	4"	4-1/4"
1½"	3-25/32"	4-1/4"
2"	5"	5-5/8"

Wing Nut Caps

Features:

- plated steel and / or iron
- supplied with 12" chain and washer
- · for best results, use with washer style spuds and washers on page 16



Boss wing nut caps are not intended for pressure applications.

Size	Part #	Opt Qty
3/4" and 1"	B12SC	25
11/4" and 11/2"	B17SC	25
2"	B27SC	10
3"	B37SC	5



Ground Joint Air Hammer Couplings

Features:

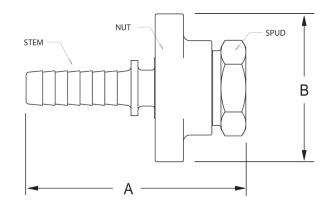
- rounded steel head of stem fits concave inserts in spuds for superior sealing
- · metal-to-metal copper seat seal
- plated steel and / or iron
- · use with Boss clamps on page 20 and 21



						Plated Steel		
	Hose ID and		Complete	Plated Steel	Iron	w/ Copper	w/ Copper	w/ Copper
Style	NPT Sizes	Coarse Thread	Female	Stem	Wing Nut	seat	seat	seat
	141 1 01203		Part #	Part #	Part #	Female Spud	Male Spud	Double Spud
						Part #	Part #	Part #
Compact	1/2"	1-31/64" OD x 8 T.P.I.	GDF6	GBA45	J47	GJ65	GJ60	GJ75
Compact	3/4"	1-31/04 OD X 6 1.P.I.	GDF8	GBA46	J47	GJ55	GJ50	GJ75
Hoover	3/4"	1-47/64" OD x 8 T.P.I.	GDF10	GBB18	DLB12	GDL8	GDL7	GDL25
Heavy	1"	1-41/04 OD X 8 1.P.I.	GDF12	GBB11	DLB12	GDL13	GDL10	GDL25

Style	Size	A	В
Compact	1/2"	4-5/32"	2-15/16"
Compact	3/4"	4-15/16"	2-15/16"
Heavy	3/4"	5"	3-5/8"
	1"	5-13/32"	3-5/8"

- 'A' dimension represents a complete coupling length with a female spud
- · 'B' dimension is the largest dimension over the wing nut



Clamps

AWARNING

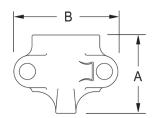
- The bolts used in the Boss interlocking clamps are not standard bolts. They vary from standard bolts in their length, diameter, overall thread length and material hardness. These bolts can be retorqued, but it is **not** recommended that the bolts or clamps be reused, as they are designed for a single bend only. Dixon recommends using only factory supplied replacement bolts.
- Torque values for clamps are based on dry bolts. The use of lubricant on bolts will adversely effect clamp performance. Do not lubricate nuts and bolts.
- recommended for steam service up to 450°F
- · recommended torque rating in ft. lbs.
- replacement nuts and bolts are available, contact Dixon for more information
- see page 47 for Fraction to Decimal conversion chart



two clamp sections 2-bolt type 2 gripping fingers 1/4" - 3/4" design

Hose	Hose	e OD	Zinc Plated Iron	Opt	Stainless Steel	T 2	Brass	Талаша
ID	From:	To:	Part #	Qty	Part #	Torque ²	Part #	Torque
1/4"	36/64"	42/64"	BD 1	100		6		
3/8"	44/64"	56/64"	CD 1	100		6		
1/2"	52/64"	60/64"	DD 1	100		6		
1/2"	60/64"	1-4/64"	B4 ¹	25	RB4	12	BB4	10
1/2"	1-4/64"	1-12/64"	B5	25		12		
3/4"	1-10/64"	1-20/64"	BU9 ¹	50	RBU9	21	BBU9	18
3/4"	1-20/64"	1-32/64"	B 9	25	RB9	21		18
3/4"	1-32/64"	1-44/64"	B10 ¹	25		21		

- ¹ global investment cast carbon steel
- ² torque applies to plated iron and stainless steel clamps





Size	Part #	Α	В
1/4"	BD	1-3/16"	1-1/2"
3/8"	CD	1-11/16"	1-11/16"
1/2"	DD	1-3/4"	1-7/8"
1/2"	B4, RB4, BB4	1-13/16"	2-11/32"
1/2"	B5	1-13/16"	2-13/32"
3/4"	BU9, RBU9, BBU9	2-9/16"	2-3/4"
3/4"	B9, RB9	2-3/4"	2-7/8"
3/4"	B10	2-11/16"	3-1/32"

Clamps

Hose	Hose	e OD	Zinc Plated Iron	Opt	Stainless Steel	T3	Brass	Towns
ID	From:	To:	Part #	Qty	Part #	Torque ³	Part #	Torque
1/,"	58/64"	1-2/64"	968 ¹	50		6		
1"	1-26/64"	1-36/64"	156 ¹	20		21		
1"	1-34/64"	1-46/64"	BU14	25	RBU14	21	BBU14	18
1"	1-44/64"	1-60/64"	B14	25	RB14	21	BB14	18
1"	1-60/64"	2-8/64"	B15	20		21		
11/4"	1-32/64"	1-50/64"	BU18	10		40		
11/4"	1-44/64"	1-56/64"	187 ¹	10		21		
11/4"	1-50/64"	2-6/64"	BU19	10		40		
11/4"	1-56/64"	2-4/64"	206 ¹	20		21		
11/4"	2-8/64"	2-24/64"	B19	10	RB19	40		28
11/2"	1-52/64"	2"	BU22	10		40		
11/2"	2"	2-14/64"	B22	10		40		
11/2"	2"	2-8/64"	212 ¹	10		21		
11/2"	2-4/64"	2-16/64"	225 ¹	10		40		
11/2"	2-12/64"	2-24/64"	BU24	10	RBU24	40		28
11/2"	2-24/64"	2-36/64"	B24	10	RB24	40		
11/2"	2-36/64"	2-48/64"	B25	10		40		
2"	2-16/64"	2-32/64"	250 ^{1, 4}	10		40		
2"	2-22/64"	2-34/64"	BU28	10		60		
2"	2-32/64"	2-48/64"	275 ^{1, 4}	10		40		
2"	2-32/64"	2-50/64"	BU29	10	RBU29	60	BBU29 ²	40
2"	2-48/64"	3-4/64"	B29	10	RB29	60		
2"	2-48/64"	3-4/64"	306 ^{1, 4}	10		60		
2"	3-6/64"	3-28/64"	B30	5		60		
21/2"	3-4/64"	3-32/64"	350 ¹	5		60		
21/2"	3-6/64"	3-28/64"	BU34	5		60		
21/2"	3-32/64"	3-60/64"	B34	5		150		
3"	3-32/64"	3-48/64"	375 ¹	5		60		
3"	3-32/64"	3-60/64"	BU35	5	RBU35	150		
3"	3-48/64"	4"	401 ¹	5		150		
3"	3-52/64"	4-4/64"	B35	5		150		
3"	4"	4-12/64"	418 ¹	4		200		
3"	4-4/64"	4-28/64"	B39	5		200		
3"	4-12/64"	4-32/64"	450 ¹	2		200		



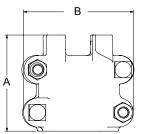
two clamp sections 4-bolt type 2 gripping fingers

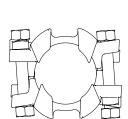


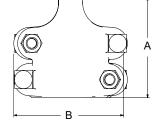
two clamp sections 4-bolt type 4 gripping fingers

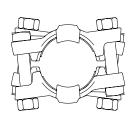
- ¹ 4 gripping fingers and 4 bolts
- ² will become obsolete as inventory is depleted
- ³ torque applies to plated iron and stainless steel clamps
- 4 not to be used with GF81, GB26, WF81, B26, RGF81, RGB26, BGF81, BGB26, RWF81, RB26











Size	Part #	Α	В
1/2"	968	1-11/16"	2-1/16"
1"	156	2-21/32"	3-3/16"
1"	BU14, RBU14, BBU14	3-3/32"	3-1/2"
1"	B14, RB14, BB14	3-1/8"	3-3/8"
1"	B15	3-1/8"	3-3/4"
1-1/4"	BU18	3-11/16"	3-5/8"
1-1/4"	187	3-1/16"	3-9/16"
1-1/4"	BU19	3-11/16"	3-7/8"
1-1/4"	206	2-29/32"	3-21/32"
1-1/4"	B19, RB19	3-3/4"	4"
1-1/2"	BU22	3-13/16"	4"
1-1/2"	B22	3-13/16"	4-1/8"
1-1/2"	212	3-3/8"	4"
1-1/2"	225	3-5/8"	4"
1-1/2"	BU24, RBU24	3-25/32"	4-3/32"
1-1/2"	B24, RB24	3-31/32"	4-1/8"
1-1/2"	B25	3-15/16"	4-1/2"

Part #	A	B
250	3-13/16"	4-3/16"
BU28	3-15/16"	4-7/16"
275	3-7/8"	4-1/2"
BU29, RBU29, BBU29	3-7/8"	4-13/32"
B29, RB29	4-5/16"	5-1/16"
306	4-1/8"	5-1/8"
B30	4-1/4"	5-5/8"
350	4-1/8"	5-3/4"
BU34	4-5/16"	5-3/4"
B34	5"	6-9/16"
375	4-15/32"	6-1/8"
BU35, RBU35	5"	6-1/2"
401	4-23/32"	6-1/2"
B35	5-1/16"	6-11/16"
418	4-29/32"	7"
B39	5-1/2"	7-1/2"
450	5-3/16"	7-1/2"
	250 BU28 275 BU29, RBU29, BBU29 B29, RB29 306 B30 350 BU34 B34 375 BU35, RBU35 401 B35 418 B39	250 3-13/16" BU28 3-15/16" 275 3-7/8" BU29, RBU29, BBU29 B29, RB29 4-5/16" 306 4-1/8" B30 4-1/4" 350 4-1/8" BU34 5-5/16" 5" 375 4-15/32" BU35, RBU35 5-1/16" 418 4-29/32" B39 5-1/2"

Dix-Lock

Quick Acting Couplings

Dix-Lock coupling's non-valved design allows air flow to the tool, while providing a quick, secure connection.

Service:

- pressure: 300 PSI in brass; 500 PSI in steel, 303 stainless steel at ambient temperature (70°F)
- The operating temperature range is -40° to +250°F (-40° to +121°C).

Features:

- · dual-guide sleeve tabs ensure smooth action
- corrosion resistant coatings and materials improve performance
- · pneumatically energized seal for optimal performance at a variety of pressures
- · wide variety of end configurations

Materials:

- female and male bodies: zinc plated steel optional - brass or 303 stainless steel
- · sleeve: steel
- · retaining ring and spring: phosphor bronze
- seal: nitrile (buna-n)

Connecting:

· convenient push-twist and click

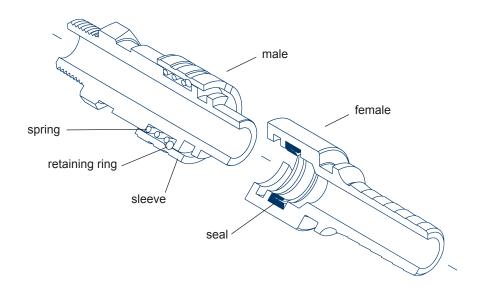
Disconnecting:

retract sleeve, twist and pull
 Never attempt to disconnect any hose while pressure is in the line.



Interchange:

- interchanges with the MIL-C-3486 Standard and the A-A50431-A Commercial Item Description
- · interchanges with Bowes and National brands



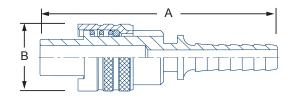
Male Head x Hose End

Body	Hose	Plated	Pkg	Brass	Pkg	Stainless	Pkg
Size	Shank	Steel	Qty	DIASS	Qty	Steel	Qty
3/8"	1/2"	QM1	25				
1/2"	3/8"	QM2	25	QB2			
1/2"	1/2"	QM3	25	QB3			
1/2"	3/4"	QM4	25	QB4		QSS4	
1/2"	1"	QM5	25	QB5	25		

Dimensions

Body	Hose	Α	В
Size	Shank	^	
3/8"	1/2"	3.73"	1.13"
1/2"	3/8"	4.36"	1.40"
1/2"	1/2"	4.63"	1.40"
1/2"	3/4"	4.77"	1.40"
1/2"	1"	4.77"	1.40"





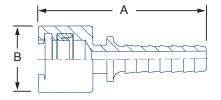
Female Head x Hose End

Body	Hose	Plated	Pkg	Brass	Pkg	Stainless	Pkg
Size	Shank	Steel	Qty	DIASS	Qty	Steel	Qty
3/8"	1/2"	QM20	25				
1/2"	3/8"	QM21	25	QB21			
1/2"	1/2"	QM22	25	QB22			
1/2"	3/4"	QM23	25	QB23		QSS23	
1/2"	1"	QM25	25	QB25	25		

Dimensions

Body	Hose	Α	В
Size	Shank	A	Ь
3/8"	1/2"	2.41"	1.20"
1/2"	3/8"	2.98"	1.33"
1/2"	1/2"	3.37"	1.33"
1/2"	3/4"	3.37"	1.33"
1/2"	1"	3.49"	1.33"





Male Head x Male NPT End

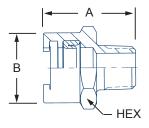
Body	Hose	Plated	Pkg	Brass	Pkg	Stainless	Pkg
Size	Shank	Steel	Qty	DIASS	Qty	Steel	Qty
3/8"	1/2"	QM40	25				
1/2"	3/8"	QM41	25	QB41			
1/2"	1/2"	QM42	25	QB42			
1/2"	3/4"	QM43	25	QB43	25	QSS43	10
1/2"	1"	QM45	25	QB45			

Body Size	Hose Shank	А	В	Hex
3/8"	1/2"	3.28"	1.13"	1-3/16"
1/2"	3/8"	3.65"	1.40"	1-1/8"
1/2"	1/2"	3.65"	1.40"	1-1/8"
1/2"	3/4"	3.74"	1.40"	1-3/8"
1/2"	1"	3.78"	1.40"	1-1/2"



Female Head x Male NPT End





_								
	Body	Hose	Plated	Pkg	Brass	Pkg	Stainless	Pkg
	Size	Shank	Steel	Qty	DIASS	Qty	Steel	Qty
	3/8"	1/2"	QM60	25				
	1/2"	3/8"	QM61	25	QB61			
	1/2"	1/2"	QM62	25	QB62			
	1/2"	3/4"	QM63	25	QB63		QSS63	
	1/2"	1"	QM65	25	QB65	25		

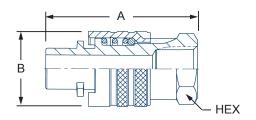
¹ valved coupler not shown

Dimensions

	Body	Hose	Α	В	Hex
	Size	Shank	_ ^	B	TIEX
ľ	3/8"	1/2"	1.72"	1.20"	1-3/16"
	1/2"	3/8"	1.77"	1.33"	1-3/8"
	1/2"	1/2"	1.77"	1.33"	1-3/8"
	1/2"	3/4"	1.77"	1.33"	1-3/8"
	1/2"	1"	1.84"	1.33"	1-1/2"

Male Head x Female NPT End





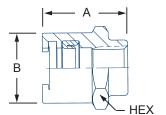
Body	Hose	Plated	Pkg	Brass	Pkg	Stainless	Pkg
Size	Shank	Steel	Qty	DIASS	Qty	Steel	Qty
1/2"	3/8"	QM81	25	QB81			
1/2"	1/2"	QM82	25	QB82			
1/2"	3/4"	QM83	25	QB83		QSS83	
1/2"	1"	QM85	25	QB85	25		

Dimensions

Body	Hose	Α	В	Hex
Size	Shank	/ \		TIOX
1/2"	3/8"	2.73"	1.40"	1-1/8"
1/2"	1/2"	2.73"	1.40"	1-1/8"
1/2"	3/4"	3.34"	1.40"	1-3/8"
1/2"	1"	3.37"	1.40"	1-1/2"

Female Head x Female NPT End





Body Size	Hose Shank	Plated Steel	Pkg Qty	Brass	Pkg Qty	Stainless Steel	Pkg Qty
1/2"	3/8"	QM101	25	QB101			
1/2"	1/2"	QM102	25	QB102			
1/2"	3/4"	QM103	25	QB103		QSS103	
1/2"	1"	QM105	25	QB105	25		

Body Size	Hose Shank	А	В	Hex
1/2"	3/8"	1.63"	1.33"	1-3/8"
1/2"	1/2"	1.63"	1.33"	1-3/8"
1/2"	3/4"	1.63"	1.33"	1-3/8"
1/2"	1"	1.68"	1.33"	1-1/2"

Feature:

 positive safety lock; with locking nut in place sleeve cannot be moved to open coupling

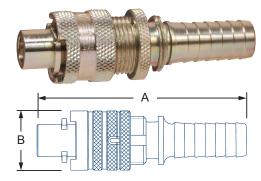


Body Size	Hose Shank	Plated Steel	Brass
Body Size	11056 SHalik	Part #	Part #
1/2"	1/2"	QM33	QB33
1/2"	3/4"	QM44	QB44

Dimensions

Body Size	А	В	
1/2"	4.63"	1.40"	
3/4"	4.77"	1.40"	

Male Locking Head x Hose End



Feature:

 positive safety lock; with locking nut in place sleeve cannot be moved to open coupling



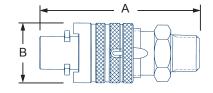
Body Size	Male NPT	Plated Steel	Brass
Body Size	Male NP I	Part #	Part #
1/2"	1/2"	QM66	QB66
1/2"	3/4"	QM88	QB88

Dimensions

Body Size	А	В
1/2"	3.65"	1.40"
3/4"	3.74"	1.40"

Male Locking Head x Male NPT





Cap



Body Size	Brass Part #	Steel Part #	Pkg. Qty.
1/2"	QBCAP	QMCAP	25

Converter



Body Size	Plated Steel Part #	Pkg. Qty.
1/2"	QM0	25

(Buna-N) Gaskets



Body Size	Part #
3/8"	QBM1
1/2"	QBM2

Male Head



Features:

- working pressure: **300 PSI** at ambient temperature (70°F)
- for crimp recommendations visit dixonvalve.com
- also available in stainless steel, contact Dixon for further information

Body	Hose	OD Range		Plated Steel	Brass
Size	ID	From:	To:	Part #	Part #
1/2"	1/2"	27/32"	1-1/32"	QM3WF	QB3WF
1/2"	3/4"	1-5/32"	1-11/32"	QM4WF	QB4WF

Female Head



Features

- working pressure: 300 PSI at ambient temperature (70°F)
- · for crimp recommendations visit dixonvalve.com
- also available in stainless steel, contact Dixon for further information

	Body	Hose	OD Range		Plated Steel	Brass
	Size	ID	From:	To:	Part #	Part #
ı	1/2"	1/2"	27/32"	1-1/32"	QM22WF	QB22WF
	1/2"	3/4"	1-5/32"	1-11/32"	QM23WF	QB23WF

Male Locking Head



Features:

- working pressure: 300 PSI at ambient temperature (70°F)
- · for crimp recommendations visit dixonvalve.com
- also available in stainless steel, contact Dixon for further information

Body	Hose	OD Range		Plated Steel	Brass
Size	ID	From:	To:	Part #	Part #
1/2"	1/2"	27/32"	1-1/32"	QM33WF	QB33WF
1/2"	3/4"	1-5/32"	1-11/32"	QM44WF	QB44WF

Quick Acting Couplings

Dual-Lock couplings allow full air flow for general purpose air handling requiring high flow and pneumatic impact tools.

Service:

- The recommended working pressure: 300 PSI at ambient temperature (70°F)
- The operating temperature range is -40° to +250°F (-40° to +121°C).

Features:

- interchanges with National A type, Dixon Quick Coupling P type and Thor PHC series couplings
- PM and PF series must be used with mating locking sleeve fittings
- · spring loaded interlocking engagement
- · full opening permits full flow to tool
- · optional locking key prevents sleeve retraction
- trivalent chrome plated

Materials:

- body: trivalent chrome plated steel optional - brass or 303 stainless steel
- · sleeve: steel
 - optional brass or 303 stainless steel
- · retaining ring and spring: phosphor bronze
- seal: nitrile (buna-n)
 optional FKM

Connecting:

 push and twist Locking clip is available to prevent unintentional disconnection.

Disconnecting:

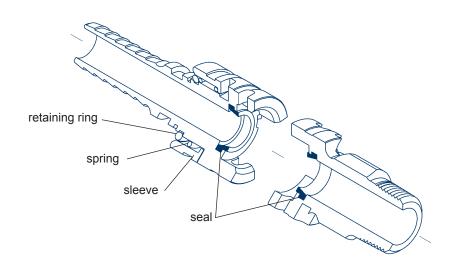
pull and twist

Never attempt to disconnect any hose while pressure is in the line.

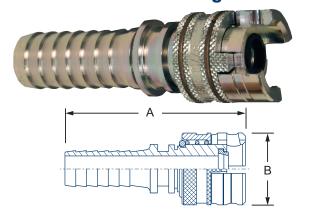


Interchange:

· interchangeable with National A type, Dixon Quick Coupling P type and Thor PHC series couplings



Hose Barb with Locking Sleeve

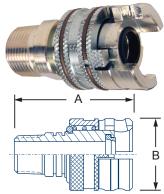


Body	Hose	Plated	Pkg	Brass	Pkg	Stainless	Pkg
Size	Shank	Steel	Qty	DIASS	Qty	Steel	Qty
1/2"	3/8"	PHL6	25				
1/2"	1/2"	PHL8	25				
1/2"	3/4"	PHL12	25	PHLB12	25	PHL12SS	10
1/2"	1"	PHL16	25	PHLB16	25		

Dimensions

Size	A	В
3/8"	3.53"	1.55"
1/2"	3.95"	1.55"
3/4"	3.95"	1.55"
1"	6.06"	1.55"

Male Pipe Thread with Locking Sleeve

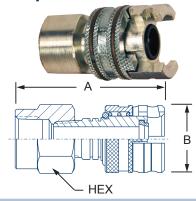


Body Size	Male NPT	Plated Steel	Pkg Qtv	Stainless Steel	Pkg Qtv
1/2"	3/8"	PML6	25		
1/2"	1/2"	PML8	25		
1/2"	3/4"	PML12	25	PML12SS	10

Dimensions

Size	A	В
1/2"	2.93"	1.55"
3/4"	2.98"	1.55"
1"	2.98"	1.55"

Female Pipe Thread with Locking Sleeve

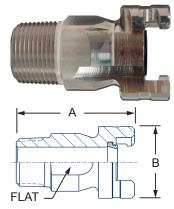


			1 1		1
Body	Female	Plated Steel	Pkg	Stainless Steel	Pkg
Size	NPT	Plated Steel	Qty	Stainless Steel	Qty
1/2"	3/8"	PFL8	25		
1/2"	1/2"	PFL12	25	PFL12SS	10

Dimensions

Size	Α	В	Hex
1/2"	2.75"	1.55"	1.25"
3/4"	2.75"	1.55"	1.25"

Male Pipe Thread



Must be used with locking sleeve fittings above.

Body	Male	Plated	Pkg	Dance	Pkg	Stainless	Pkg
Size	NPT	Steel	Qty	Brass	Qty	Steel	Qty
1/2"	3/8"	РМ6	25				
1/2"	1/2"	PM8	25	PMB8	25		
1/2"	3/4"	PM12	25	PMB12	25	PM12SS	10
1/2"	1"	PM16	25	PMB16	25		

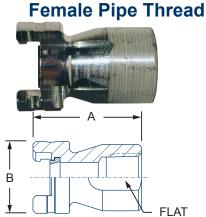
Size	А	В	Flat
3/8"	2.00"	1.55"	0.88"
1/2"	2.25"	1.55"	0.97"
3/4"	2.55"	1.55"	1.13"
1"	3.25"	1.55"	1.38"

Must be used with locking sleeve fittings on page 28.

Body	Female	Plated	Pkg	Deco	Pkg	Stainless	Pkg
Size	NPT	Steel	Qty	Brass	Qty	Steel	Qty
1/2"	3/8"	PF6	25				
1/2"	1/2"	PF8	25	PFB8	25		
1/2"	3/4"	PF12	25	PFB12	25	PF12SS	10
1/2"	1"	PF16	25	PFB16	25		

Dimensions

Size	Α	В	Flat
3/8"	1.79"	1.55"	0.88"
1/2"	2.25"	1.55"	1.31"
3/4"	2.34"	1.55"	1.31"
1"	2.76"	1.55"	1.44"



Features:

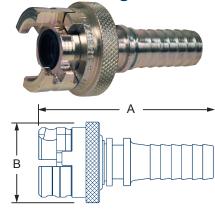
- zinc coated
- · Large, raised collar sleeve permits easier handling when wearing gloves.

Body	Hose	Plated Steel	
Size	Shank		
1/2"	3/8"	PHL6FS	25
1/2"	1/2"	PHL8FS	25
1/2"	3/4"	PHL12FS	25

Dimensions

Size		А	В
ĺ	3/8"	3.53"	1.55"
	1/2"	3.95"	1.55"
	3/4"	3.95"	1.55"

Hose Barb with Knurled Flanged Sleeve



Features:

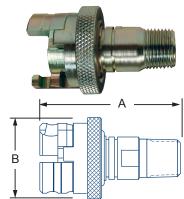
- zinc coated
- · Large, raised collar sleeve permits easier handling when wearing gloves.

Body Size	Male NPT	Plated Steel	Pkg Qty
1/2"	3/8"	PML6FS	25
1/2"	1/2"	PML8FS	25
1/2"	3/4"	PML12FS	25

Dimensions

Size	A	В
3/8"	2.93"	1.55"
1/2"	2.98"	1.55"
3/4"	2.98"	1.55"

Male Pipe Thread with Knurled Flanged Sleeve



Female Pipe Thread with Knurled Flanged Sleeve

Feature:

· Large, raised collar sleeve permits easier handling when wearing gloves.

Body	Female	Plated Steel	
Size	NPT		
1/2"	1/2"	PFL8FS	25
1/2"	3/4"	PFL12FS	25
		Dimensions	

Size	Α	В
1/2"	2.75"	1.55"
3/4"	2.75"	1.55"

Replacement Gaskets



Part #	Description
855206	Buna-N (standard)
452963	FKM

Sleeve Locking Key

Features:

- · fits couplings with locking sleeve
- prevents sleeve retraction



Part #	
855231	
000201	

Dual-Lock with Ferrule



Features:

- working pressure: **300 PSI** at ambient temperature (70°F)
- trivalent chrome plated coupling with plated steel ferrule
- · also available in brass and stainless steel
- · for crimp recommendations visit dixonvalve.com
- 3/8" and 1" sizes available upon request, contact Dixon

Body	Hose	OD Range		Plated Steel
Size	ID	From:	To:	Part #
1/2"	1/2"	54/64"	1-2/64"	PHL8WF
1/2"	3/4"	1-10/64"	1-22/64"	PHL12WF

part # 1217AR-4AK

Air Receiver Manifold Assembly

used to safely distribute air to machines and tools

Tank provides (1) 2" Ground Joint inlet for supply hose and (7) 3/4" outlets for tool hoses.

Service:

- 7 gallon capacity provides air reserve needed for operation of tools
- 200 PSI maximum working pressure for tank (*Working pressure of the system is limited to maximum working pressure of the components*, i.e. 150 PSI for Air King)

Features:

- all tank outlets have female NPT threads
- · portable easy carry handles standard
- · solid base with mounting holes standard
- approximate tank dimensions are 12" x 17"; 40" x 24" with frame
- · painted safety orange

Components:

- spring-loaded Safety Shut-off Valves (Cut-off Flow Rate 160-180 CFM at 90 PSI)
- safety Pop-off Valve (200 PSI) to protect against over-pressurizing of tank
- 0-300 PSI gauge
- · drain valve provides for removal of accumulated oil and water
- locking handle ball valve

Codes and Standards:

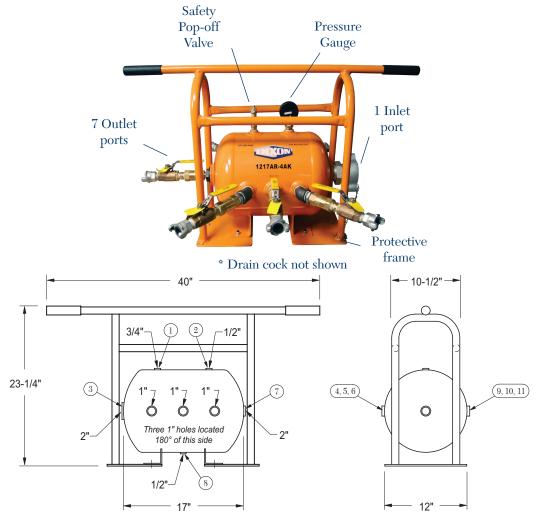
- built to ASME Code, National Board registered
- conforms to OSHA Standards 1910.169 and 1926.306







1217AR-4FR



Dixon 1217AR-4AK air receiver manifold assembly with Air King outlet ports includes the following components:

Part # / Locations	Qty	Description		
1217AR-4	1	ASME compressed air receiver		
1217FRAME	1	protective frame		
Location 1	1	HB2F6M ¾" male x ¼" female hex bushing		
	1	GL345 0-300 PSI gauge		
Location 2	1	HB2F4M ½" male x ¼" female hex bushing		
	1	SV200 safety pop-off valve		
Location 3	1	GM28 2" male spud		
	1	B27SC wing nut cap		
Locations	6	HB1075G 1" male x 3/4" female bushings		
4, 5, 6, 9,	6	BCN75 ¾" brass hex nipples		
10, 11	6	BBLV75 ball valves		
	6	SCVS6 safety shut-off valves		
	6	AM7 Air King universal couplings		
	4	SE45100 45° street elbow (1 each in locations 4, 6, 9 and 11 only)		
Location 7 1 HB2075 2" male x ¾" female bushing		HB2075 2" male x ¾" female bushing		
	1	BCN75 ¾" brass hex nipples		
	1	BBLV75 ball valve		
	1	SCVS6 safety shut-off valve		
	1	AM7 Air King universal coupling		
Location 8	1	HB2F4M ½" male x ¼" female hex bushing		
	1	D04 1/4" drain cock		
		Labor cost for assembly of complete unit		
1217AR-4AK	1	7 gallon ASME compressed air receiver manifold complete assembly with Air King		
		Tank and Frame only		
1217AR-4FR	1	7 gallon ASME compressed air receiver with frame only		

^{*} Dixon recommends the use of safety clips and King safety cables on all air hose connections.

ASME Air Tank with Fittings and Watts Filter

Application:

 Designed to remove compressed air contaminants such as water, compressor oil, dirt, pipe scale and water particles from the air supply at the point of entry into the ASME air receiver manifold.

Features:

- includes basic 1217AR-4AK ASME manifold assembly
- F602-16WJR 2" auto drain filter with 26 ounce metal bowl and related plumbing installed on the inlet port of the ASME air receiver manifold
- air supply hose connects directly to GM28 2" male spud on the filter air inlet
- includes a B27SC wing nut cap with a chain

Inlet	Outlet	Part #
2"	3/4"	1217AR-4AKWF



Wilkerson Combination Unit with Protective Frame

Features:

- · provides downstream air preparation with protective frame
- C31-08AMB 1" FRL with metal bowls and auto drain filter
- FBV100 1" brass ball valve and AM12 air king on inlet port
- BBV100DTW 2-way ball valve installed between regulator and lubricator provides option for non-lubricated air
- · heavy duty frame protects air prep components
- · operating:

maximum pressure: **250 PSIG** temperature range: **40°F** to **150°F**

flow: 320 SCFM

Size	Part #
1"	C31-08FRAME



Safety

Safety Check Valve

Prevents dangerous hose whip on portable air compressors

Features:

- · does not prevent backflow
- high flow valve to provide optimum performance
- controls excess air flow (SCFM) in only one direction
- not for use in applications where 100% of the available air is required, i.e. sand blast, pile driving rigs, expansion joint blow down pipes, etc.
- automatically senses change in air flow and shuts off the flow in the event of a surge in excess of valve flow rating thus preventing hose whip
- conforms to OSHA regulation 1926.302 (b) (7) requiring a safety device at the source of the air supply and at branch air lines.
- · applications include temporary plant/factory air, construction sites, shipyards or utilities

Construction:

- · solid brass body and valve
- · stainless steel spring and roll pin
- · maximum working pressure: 250 PSI
- maximum temperature: 250°F

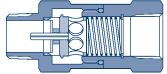
Use:

- Safety Check Valves operate by using the pressure differential across the valve to operate the valve and spring assembly. The pressure differential is directly related to the flow of air through the valve.
- When the pressure differential is within the operating limits -- below the cutoff flow -- of the unit, the force on the valve exerted by the spring is greater than that caused by the pressure differential (see open position graphic below). The valve remains open and normal operation continues.
- When the pressure differential is above the cutoff limit, the force on the valve exerted by the pressure differential is greater than the force exerted by the spring, and the valve closes (see the closed position graphic below).
- After the repair is made, normal operation is automatically enabled when pressure across the valve equalizes through the bleeder hole.
- The valve spring size can be specified by determining the air flow during normal operation and by estimating the air flow if a failure or rupture occurs.

Questions to ask when selecting a safety shut-off valve:

- 1. What is the hose ID size you are using?
- 2. What is the operating pressure of the compressor, in PSI?
- 3. What is the SCFM of your compressor? (printed on the side of most air compressors)
- 4. How much air flow, in SCFM, does the tool(s) require?
- 5. What is the maximum air flow possible, in SCFM, through your air hose, at the end of the length of the hose? Contact Dixon for recommendations if the hose length is over 100'.

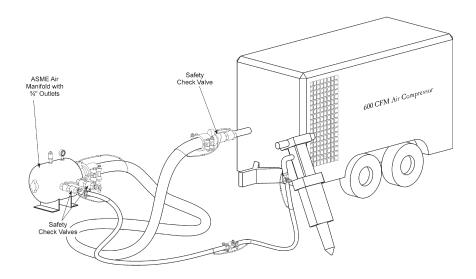






Check Valve In Open Position

Check Valve In Closed Position



Installation:

A safety shut-off valve should be placed immediately after the air control valve and before the hose on a compressor, and on each discharge port on a manifold (see drawing above).

Sizing the safety shut-off valve:

- The safety shut-off valve NPT size must be the same as the nominal ID size of the air line on which it is used.
 Note: Never increase or decrease the hose size from the compressor to the tool or from the compressor to the manifold.
- 2. One safety shut-off valve must be used on each hose outlet from the manifold.
- 3. To avoid nuisance cut-off's, the shut-off valve selected should have a cut-off range of 110% of the maximum anticipated air flow to the tool, or tools, to be used.
- 4. The maximum SCFM of the supply side air line must be above the cut-off range of the valve. The cut-off range of Dixon's shut-off valves is given at 90 PSI. To determine the cut-off range at other PSI's, use the formula or the sample numbers in the Cut-off Rate Chart below to find the flow rate multiplier. Multiply the flow rate multiplier by the numbers in the cut-off flow range column to find the cut-off range at your PSI.

Safety Shut-off Valve Cut-off Rates at PSI's Other Than 90 PSI

Flow rate multiplier =
$$\sqrt{\frac{PSIG + 14.7}{104.7}}$$

Inlet pressure (PSI)	25	50	75	100	125
Flow rate multiplier	.62	.79	.93	1.05	1.16

Operation:

Before starting the compressor the air control valve should be closed completely. When the compressor unloads, open the air control valve *very slowly*. Full port ball valves tend to work better than gate or butterfly type valves.

The air control valve must be fully open for the safety shut-off valve to work. Some portable air compressor manufacturers recommend start-up with the air control valve slightly open. In this case you may have to close the valve and reopen it slowly to the full open position, or wait for the safety shut-off valve to reset itself.

If the valve fails to operate despite meeting all conditions, check the hose line for obstructions or a hose mender restricting normal air flow.

SCV-Series Selection Guide:

- 1. Sketch the position of the tool, fittings, safety check and supply line. Measure the length of hose from the safety check to the tool. There should be no jump sizes in the hose between the safety check and the tool. You will need one safety check valve for each branch line feeding the tool. A safety check in the main supply line is also recommended.
- 2. Determine the hose size you want to protect. Select the same size safety check as the hose size. For example, a %" hose will require a %" safety check. Do not use a different size safety check. One exception to this rule is for 5/s" hose, use a 1/2" safety check valve.
- 3. Determine the maximum operating air flow (SCFM) required through the safety check during normal use. For example, the maximum air consumption of the largest tool used on that supply line. Determine the optimum cutoff flow by multiplying the maximum operating air flow by 110%.
- 4. Add to the length of hose, you measured in step 1, length adders to compensate for system components. Add 0.91m (3') for each elbow, 0.91m (3') for each tee, 3.05m (10') for each globe valve, 0.61m (2') for each gate valve, 0.91m (3') for each hose fitting. This calculation will result in the total length for your safety check valve selection. Find the column in the Unobstructed Air Flow Chart, below, that corresponds to your hose size and the row that corresponds to your calculated total length. Where they intersect, is the unobstructed air flow in SCFM.
- 5. If the optimum cutoff flow is 80% of the unobstructed air flow or less, you should use the optimum cutoff flow (110% of the maximum calculated air flow) to select the appropriate safety check valve. To do this, find the safety check that has a corresponding cutoff flow rate in the product list on the next page.
- 6. If the optimum cutoff flow is greater than 80% of the unobstructed air flow, there may be a problem with the safety check valve sensing the difference between normal air demand and a line rupture. You may want to consider removing fittings from the flow path, reducing the length of your hose or increasing your hose diameter. If you are not sure, call your Dixon distributor for assistance.
- 7. Always install one safety check and test the performance of the system before you continue other installations. When start-up is underway, open the air control valve at the compressor or manifold very slowy to allow air to bleed through the check valve so that pressure is equalized on each side of the valve. If the valve fails to operate despite meeting all conditions, check the supply line for obstructions or a hose mender restricting normal air flow.

Unobstructed Air Flow Chart (SCFM)

Total Length	Hose Size (ID)										
(feet)	1/4"	3/8"	1/2"	5/8"	3/4"	1"	11/4"	1½"	2"	21/2"	3"
5	28	66	124	199	294	550	1200	1800	3300	5300	7900
8	27	65	123	196	290	540	1140	1700	3100	5000	7500
10	27	64	121	194	286	531	1100	1640	3000	4600	7200
20	26	62	116	189	278	520	960	1420	2500	4200	6300
30	24	58	108	175	258	480	850	1280	2300	3800	5600
50	22	54	101	163	240	447	720	1080	2000	3200	4700
75	20	47	86	140	207	385	670	960	1850	3000	4400
100	17	41	77	124	178	340	620	940	1760	2800	4200
150	15	35	65	105	158	290	590	870	1630	2600	3900
200	13	30	57	92	136	253	550	820	1520	2400	3600
250	11	27	51	83	123	228	520	780	1450	2300	3400
300	10	25	47	56	114	210	500	750	1390	2200	3300

Length Adders:

3' for each elbow

3' for each tee

10' for each globe valve

2' for each gate valve

3' for each hose fitting

Use ½" Safety Check Valve for 5/8" Hose.

Not recommended for applications requiring 100% of the available air supply. These applications include, but are not limited to, sand blast equipment, pile driving rigs, and expansion joint blow down pipes.

It is recommended to install auxiliary safety devices, including Safety Cables, to ensure optimum safety for the operator in the event of a coupling failure or hose rupture. (see page 39)



NPT and Hose ID Size	Part #	Cut-off Flow Range (SCFM at 90 PSI)
1/4"	SCVL2	23-29
3/8"	SCVM3	39-47
78	SCVS3	52-65
1/2"	SCVM4	70-78
/2	SCVS4	80-96
	SCVL6	72-88
	SCVM6	92-108
3/4"	SCVR6	112-128
/4	SCVJ6	132-148
	SCVS6	160-180
	SCVH6	180-200
	SCVL8	165-195
1"	SCVM8	220-260
'	SCVS8	280-320
	SCVH8	310-340
	SCVL10	260-290
11/4"	SCVM10	300-340
174	SCVS10	440-500
	SCVH10	570-630
	SCVL12	300-360
1½"	SCVM12	470-530
172	SCVS12	640-720
	SCVH12	750-830
	SCVL16	510-590
2"	SCVM16	725-825
4	SCVS16	900-1050
	SCVH16	1100-1200
	SCVL24	1200-1400
3"	SCVS24	2400-2700
	SCVH24	2850-3050

Performance Specifications

- high flow design results in maximum flow with minimal pressure drop
- · automatically and instantly protects the operator against hose whip in the event of a damaged hose or coupling
- In the event of a hose rupture or coupling failure, the valve will automatically reset after the problem is fixed.
- SCV-Series is available in a large selection of sizes ranging from 1/4" to 3", NPTF or BSPP/BSPT threads.
- Valve operation is fully compliant with OSHA Safety Regulation 1926.302(b)(7), (referenced on Page 5).

Performance Specifications	Operating Bar (PSI)	Minimum Burst Bar (PSI)	Temperature °C (°F)	Air Flow ¹ 30.5m (100')
1/4"	17 (250)	138 (2,000)	121 (250)	17 SCFM
3/8"	17 (250)	138 (2,000)	121 (250)	41 SCFM
1/2"	17 (250)	138 (2,000)	121 (250)	77 SCFM
3/4"	17 (250)	138 (2,000)	121 (250)	178 SCFM
1"	17 (250)	138 (2,000)	121 (250)	340 SCFM
11⁄4"	17 (250)	138 (2,000)	121 (250)	620 SCFM
1½"	17 (250)	138 (2,000)	121 (250)	940 SCFM
2"	17 (250)	138 (2,000)	121 (250)	1,760 SCFM
2½"	17 (250)	138 (2,000)	121 (250)	2,800 SCFM
3"	17 (250)	138 (2,000)	121 (250)	4,200 SCFM



¹ Air flow rating is based upon calculated values using unobstructed air flow for the applicable hose size.

King

Safety Cable

A positive safeguard for air hose connections King Safety Cable helps you meet today's safety standards

- Hose-to-hose or hose-to-rigid outlet styles available
- Low cost answer to eliminating injuries caused by broken air hose connections
- Highly resistant to rust and corrosion
- · Easy installation and removal no tools needed
- · Custom lengths available

When a pressurized air hose becomes accidentally uncoupled, or a hose failure occurs, the quick exhaust of air causes the hose assembly to whip violently, creating a potentially dangerous situation.

King Safety Cables prevent hose whip in the event of the accidental separation of a coupling or clamp device. The steel cables span the hose fittings to provide standby safety for the hose. Spring-loaded loops in the cable ends are easily opened to pass over the couplings and provide a firm grip on the hose.

The cables can be used in hose to hose installations, as well as hose to rigid outlet, or tool.

On hose to hose applications the **King Safety Cable** should be installed on the hose portion of the assembly in a fully extended position. When used on hose to rigid outlet, or tool, the spring loaded end should be over the hose, while the choker end is installed on the outlet, or tool. **King Safety Cable** should always be installed in a fully extended position.



OSHA Regulations

Standards - 29 CFR, 1915.131 (partial):

(e) Before use, pneumatic tools shall be secured to the extension hose or whip by some positive means to prevent the tool from becoming accidentally disconnected from the whip.

Standards - 29 CFR, 1926.302 (partial):

(b)(1) Pneumatic power tools shall be secured to the hose or whip by some positive means to prevent the tool from becoming accidentally disconnected.

Standards - 29 CFR, 1926.603 (partial):

(a)(9) Steam hose leading to a steam hammer or jet pipe shall be securely attached to the hammer with an adequate length of at least 1/4-inch diameter chain or cable to prevent whipping in the event the joint at the hammer is broken. Air hammer hoses shall be provided with the same protection as required for steam lines.

(a)(10) Safety chains, or equivalent means, shall be provided for each hose connection to prevent the line from thrashing around in case the coupling becomes disconnected.



Correct Installation
King Safety Cable installed in the extended position
(no slack).

Incorrect Installation
King Safety Cable is not installed in the extended position
(too much slack).

Features:

- · hose-to-hose or hose-to-rigid outlet
- King Cable is the low cost answer to eliminate injuries caused by broken air hose connections

- highly resistant to rust and corrosion
- · no tools needed easy to install and remove
- maximum working pressure 200 PSI





Style WSR, for hose-to-tool service

Style	W. for	hose-to-hose	service

			Maximum	041	Stainless
Hose ID	Cable	Lenath	Working	Steel	Steel
		1 3	Pressure (PSI)	Part #	Part #
1/2" - 11/4"	1/8"	201/4"	200	WSR1	WSR1SS
1/2" - 2"	3/16"	28"	200	WSR3	
11/2" - 3"	1/4"	38"	200	WSR2	WSR2SS
4"	3/8"	44"	200	WSR4	

Hose ID	Cable	Length	Maximum Working Pressure (PSI)	Steel Part #	Stainless Steel Part #
1/2" - 11/4"	1/8"	201/4"	200	WB1	WB1SS
1/2" - 2"	3/16"	28"	200	WB3	
1½" - 3"	1/4"	38"	200	WA2	WA2SS
4"	3/8"	44"	200	WA4	

Note: Cables are shipped with safety restraint labels attached. Labels are not pictured.

WB1C
WB1 with safety clip and lanyard

King Safety Cable Options



WSR1E

WSR1E with stainless steel marine eye

Hose ID	Cable	Part #	Description	Max. Work. Press. PSI
1/2" - 11/4"	1/8"		WSR1 with safety clip and lanyard used to lock Air King couplings	200
1/2" - 11/4"	1/8"	WB1C	WB1 with safety clip and lanyard used to lock Air King couplings	200
1/2" - 11/4"	1/8"	WSR1E	WSR1 with stainless steel safety marine eye used to connect safety cable to a bolt on tool	200
1½" - 3"	1/4"	WA2B	WA2 with bronze/copper ferrule for special environmental conditions	200

King Safety Cable Installation Procedures

A. For Hose to Tool Installation (WSR1, WSR2, WSR3, WSR4)

- 1. Loosen cinch on end of cable without spring.
- 2. Loop cable over tool or connection. The connection must be shaped so that the cable will not slip off if a failure occurs. The connection or tool is the anchor for the cable.
- 3. Open the cable loop on the spring end and slide it over the hose end.
- 4. Attach hose to tool or connection.
- Remove slack from cable by loosening spring on hose and sliding cable as far away as possible from tool or connections.

B. For Hose to Hose Installation (WB1, WA2, WB3, WA4)

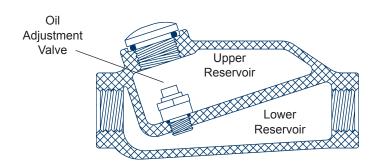
- 1. Open the cable loop on one end and slide it over the coupling of one hose.
- 2. Open the cable loop on the connecting end and slide it over the coupling on the other hose.
- 3. Couple the hoses together.
- 4. Remove slack by sliding both cables equally apart.

Dixon

In-Line Lubricators

Designed for use with hose-connected tools that are too far from the compressor to be lubricated by a permanently mounted unit.





Features:

- The minimum flow rate that must be achieved for the PL series lubricators to work is 30 SCFM. A flow rate less than 30 SCFM will not create the pressure difference needed between chambers to force the oil into the air stream.
- Install within 25 feet of the air tool requiring lubrication. Refer to the arrow for proper air flow direction.
- · transparent sight disc allows visual inspection of oil level
- · oil flow regulated by screwdriver adjustment of oil adjustment valve inside body
- not recommended for constant flow applications
- · for use on reciprocating tools only
- · can dispense standard air tool lubricant or Dixon anti-freeze lubricant
- · lubricator body is 356-T6 aluminum

Description:

• The lubricator has two reservoirs. The upper reservoir holds the oil, and a lower reservoir that is the passageway for the air to enter. The air and oil mixture exits through the lower reservoir. The oil adjustment valve between the two compartments initially allows air to enter the reservoir to pressurize it, and then it controls the amount of oil entering the air stream.

How it works:

• Before the hose is charged with air, the pressure in both chambers of the lubricator are equal. When the tool is turned on it draws air from the compressor through the lower chamber. As air passes through the lower chamber it creates an area of low pressure. When the pressure in the lower chamber is less than the pressure in the upper chamber the dual purpose oil adjustment valve allows oil to flow at the set rate into the airstream of the chamber below to lubricate the tool. When the flow of air stops, the oil adjustment valve allows pressure to build in the top chamber until the pressure is equal between the top and bottom. As long as the pressure in the upper chamber is less than or equal to the pressure in the lower chamber no oil will flow through the oil adjustment valve.

Note: These lubricators are only recommended for use with tools that are frequently turned on and off.



<u>Installation:</u>

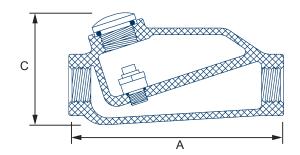
- At start up, additional lubricant is required to coat the inside of the line between the lubricator and the tool.
 To avoid operating a dry tool, add 1/2 ounce (15cc) of oil directly into the line.
- By removing the fill plug and using a screwdriver, the operator can adjust the amount of oil flowing into the air stream.
 It is not necessary to shut off the airflow to do this.
- The viscosity of the oil used and uniqueness of the application determine the right setting for proper lubrication. A setting of 5 is suitable for average conditions using 10-weight oil. Remember that the lag time between adjustment and resulting effect at the tool may be as long as an hour. Make small adjustments, and check the result.

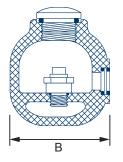
Storage:

• The simple principle behind the operation of this lubricator does not provide for oil shut off when the tool is not being used. To prevent a pressure differential from forcing the remaining oil from the reservoir into the air line, turn the lubricator upside down or open the fill plug to depressurize the reservoir.

Safety Notes:

- Wear eye protection when connecting or disconnecting couplings. Always use a whip hose with impact tools, King Cable to protect junctions, and couplings that are compatible with the media being transferred.
- Always unscrew fill plug slowly to depressurize upper chamber before filling or adjusting valve.





NPT Sizes	Part #	Oil Capacity	Max. Working Pressure	Air Flow at 70 PSI	Length A	Width B	Height C	Weight
1/2"	PL300	1.4 fluid ozs.	500 PSI	30 SCFM	41/2"	21/4"	21/4"	14 ozs.
3/4"	PL400	3.7 fluid ozs.	200 PSI	70 SCFM	6"	23/4"	23/4"	22 ozs.
3/4"	PL400L	11.0 fluid ozs.	300 PSI	70 SCFM	7"	3½"	3¾"	38 ozs.
1"	PL500	16.0 fluid ozs.	250 PSI	100 SCFM	10"	41/4"	4"	69 ozs.

Feature:

Available with Filter

 consists of 9076M particle filter with 40 micron sintered bronze element and PL400 (3.7 ounce) or PL400L (11.0 ounce) lubricator

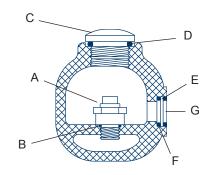
	•		
NPT Size Oil		Max. Work. Press. at	Aluminum
141 1 0120	Capacity	ambient temp. (70°F)	Part #
3/4"	3.7 fluid ozs.	200 PSI	PL400WF
3/4"	11.0 fluid ozs.	300 PSI	PL400LWF



Repair Parts

(same for all sizes)

Description	Part #
(A) oil adjustment valve assembly	851661
(B) valve gasket	452531
(C) fill plug	452525
(D) fill plug O-ring	844319
(E) sight disk	452532
(F) sight disk seal	847272
(G) sight disk lock nut	452533



Type of oil to use:

 Any petroleum-base, non-detergent light weight oil (SAE 10/150SSU) which will readily break up into a mist, i.e., Mobil DTE light or comparable oil. Do not use any synthetic oil or oils containing additives or solvents.

Lubricant

Anti-Freeze

Part #	Size	Pkg. Qty.
DATL016	1 pint	12
DATL128	1 gallon	4

Part #	Size	Pkg. Qty.
DATL016W	1 pint	12
DATL128W	1 gallon	4

Features:

- · base can be fitted to any existing PL lubricator
- keeps lubricator from flipping or rolling over, ensuring that it provides continuous lubrication to the downstream air tool

Description	Aluminum Part #
leveling base for PL300	LB300
leveling base for PL400	LB400
leveling base for PL500	LB500



In-Line Lubricator Base

lubricator is not included with the base

Accessories

Air Accessories

Additional Contractor Air Related Products



Safety Pop-Off Valves:

· section E in the DPL (Dixon Price List)

Filters and Lubricators:

section E in the DPL (Dixon Price List)

Gauges:

section E in the DPL (Dixon Price List)

Ball Valves:

section N in the DPL (Dixon Price List)

Boss Fittings and Clamps:

section D in the DPL (Dixon Price List)

3500 Series nipples:

section F in the DPL (Dixon Price List)

Bent Stem Swivels:

section E in the DPL (Dixon Price List)

Compressor Y fitting:

section E in the DPL (Dixon Price List)

Gauges

Features:

- · designed for long reliable service
- · materials available brass, stainless steel, plastic
- standard dry and liquid-filled pressure gauges, compound pressure gauges, vacuum gauges, and welding gauges
- · Offered in the Dixon Price List Catalog







Features:

- used with whip hose to withstand vibration
- zinc plated steel material
- male nipple: hose size ¼" 1", NPT size 1/8" 1" female nipple: hose size ½" - ¾", NPT size ½" - ¾"
- · Offered in the Dixon Price List Catalog





Features:

- · converts a single supply source to a dual outlet
- female NPT 1" (1), male NPT ¾" (2)
- material: iron
- · Offered in the Dixon Price List Catalog

Compressor Y



Safety Pop-Off Valves

Features:

- · National Board Certified Safety Valves
- max operating temperature 400°F (204°C)
- material brass and stainless steel
- · available in heavy duty high capacity, standard, and soft seat
- · Offered in the Dixon Price List Catalog





Safety Vented Ball Valves



Features:

- · handle position quickly indicates if valve is open or closed
- rated to 600 PSI
- blow-out proof stem design
- RTFE seats and stuffing box ring
- · Offered in the Dixon Price List Catalog

Steel Bent Stem Swivels



Features:

- · convenient air tool connectors
- designed for normal operation at 90 PSI as ambient temperature (70°F)
- comes in 7/8" thread which fits most chipping hammers
- · Offered in the Dixon Price List Catalog

Hose Rack and Reels



Features:

- Reelcraft® spring driven hose reels 5000, 7000, and 80000 series available
- hose racks for hose sizes 1½" to 2½", 50' to 200'
- · Offered in the Dixon Price List Catalog

Filters and Lubricators

Features:

- Norgren, Watts and Wilkerson brands available
- inventories all components and sizes from 1/8" to 2"
- general purpose, rugged and reliable
- Offered in the Dixon Price List Catalog



Features:

- tags sold in quantities of 100
- length of tape 55 yards, approximately 255 warnings
- Offered in the Dixon Price List Catalog



Safety Tag and Tape



S.T.A.M.P.E.D.

Questions to Ask

S

Size

T

Temperature

A

Application

M

Media

P

Pressure

E

Ends

D

Dixon

Pressure Conversions

100 PSI = 6.9 Bars 250 PSI = 17.25 Bars 600 PSI = 41.4 Bars 5 Bars = 72.5 PSI 10 Bars = 145 PSI 25 Bars = 362.5 PSI

Air Supply Requirements (operating pressure: 90 PSI)

Tool	Class	Typical Air Consumption	Hose Size (inches)			
1001	Oldoo	(CFM)	0-10 ft.	10-50 ft.	50-200 ft.	
Paving Breakers	25 lb. 35 lb. 60 lb. 80 lb.	45 50 65 80	1/2 1/2 1/2 3/4	1/2 3/4 3/4 3/4	3/4 3/4 1 1	
Claydiggers	Claydiggers		45 1/2		3/4	
Hand Drills	Hand Drills 8 lb. 15 lb.		3/8 3/8	3/8 1/2	1/2 1/2	
Rock (Sinker) Drills	45 lb. 55 lb.	105 130	3/4 3/4	3/4 1	1	
Tampers	Tampers 5" butt 6" butt		3/8 1/2	1/2 1/2	1/2 3/4	
Sump Pump Sludge Pump	ımp Pump 3 HP dge Pump Ejector		3/4 1	3/4 1	1	
Vibrators	Vibrators 2-1/2" 3"		1	1 1	1 1	
Chipping Hammers		25	3/8	1/2	1/2	
Impact 3/8" sq. dr. 1/2" 3/4" 1"		10 15 25 50	5/16 5/16 3/8 1/2	3/8 3/8 1/2 3/4	3/8 1/2 1/2 3/4	
Drills	1/4" - 1/2"	22	3/8	3/8	1/2	
Grinders	die/burr small angle 3 HP vertical	20 20 75	3/8 3/8 1/2	3/8 3/8 3/4	1/2 1/2 1	

Force Chart Force (In Pounds)

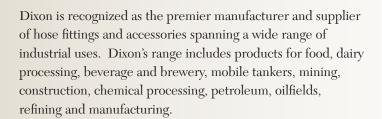
Hose ID	25 PSI	50 PSI	75 PSI	100 PSI	150 PSI	200 PSI	250 PSI	300 PSI	500 PSI	1000 PSI
1/4"	1	2	4	5	7	10	12	15	25	49
3/8"	3	6	8	11	17	22	28	33	55	110
1/2"	5	10	15	20	29	39	49	59	98	196
3/4"	11	22	33	44	66	88	110	133	221	442
1"	20	39	59	79	118	157	196	236	393	785
1-1/4"	31	61	92	123	184	245	307	368	614	1227
1-1/2"	44	88	133	177	265	353	442	530	884	1767
2"	79	157	236	314	471	628	785	942	1571	3142
2-1/2"	123	245	368	491	736	982	1227	1473	2454	4909
3"	177	353	530	707	1060	1414	1767	2121	3534	7069
4"	314	628	942	1257	1885	2513	3142	3770	6283	12566
5"	491	982	1473	1964	2945	3927	4909	5891	9818	19635
6"	707	1414	2121	2827	4241	5655	7069	8482	14137	28274
8"	1257	2513	3770	5027	7540	10053	12566	15080	25133	50266
10"	1964	3927	5891	7854	11781	15708	19635	23562	39270	78540
12"	2827	5655	8482	11310	16965	22620	28274	33929	56549	113098

Note: For hose ID's from 1-1/4" to 12" the force in pounds is greater than the PSI.

- Force is the dynamic power which is exported longitudinally through a hose, towards the ends. To arrive at the number of pounds of force exerted, you merely multiply the area of the ID times the working pressure being used.
- Area of a circle: 1 x r² (PI [3.1416] times radius squared)
- Force = Area x Pressure

Fraction - Decimal Conversion Chart

		Inches	<u>Millimeters</u>			<u>Inches</u>	<u>Millimeters</u>
	<u>1</u> 64	.015625	.3969	1 (33 64	.515625	13.0969
$\begin{pmatrix} \frac{1}{32} \end{pmatrix}$	04	.03125	.7938	<u>17</u> 32	04	.53125	13.4938
32)	<u>3</u> 64	.046875	1.1906		35 64	.546875	13.8907
<u>1</u>		.0625	1.5875	9	04	.5625	14.2876
	<u>5</u> 64	.078125	1.9844		37 64	.578125	14.6844
$\begin{pmatrix} \frac{3}{32} \end{pmatrix}$	04	09375	2.3813	<u>19</u> 32	04	59375	15.0813
	<u>7</u> 64	109375	2.7781		39 64	.609375	15.4782
$\left(\begin{array}{c} \frac{1}{8} \end{array}\right)$		125	3.1750	<u>5</u> 8		.625	15.8751
	<u>9</u> 64	.140625	3.5719		<u>41</u> 64	640625	16.2719
$\begin{pmatrix} \underline{5} \\ 32 \end{pmatrix}$.15625	3.9688	<u>21</u> 32		.65625	16.6688
	<u>11</u> 64	171875	4.3656		<u>43</u> 64	671875	17.0657
<u>3</u> 16		.1875	4.7625	11/16		.6875	17.4626
	13 64	.203125	5.1594		<u>45</u> 64	.703125	17.8594
$\begin{pmatrix} \frac{7}{32} \end{pmatrix}$		21875	5.5563	<u>23</u> 32		71875	18.2563
	1 <u>5</u>	.234375	5.9531		<u>47</u> 64	.734375	18.6532
$\left(\begin{array}{c} \frac{1}{4} \end{array}\right)$		250	6.3500	<u>3</u> 4		750	19.0501
	17 64	265625	6.7469		<u>49</u> 64	765625	19.4470
$\left(\frac{9}{32}\right)$		28125	7.1438	<u>25</u> 32		78125	19.8438
	<u>19</u> 64	296875	7.5406		<u>51</u> 64	796875	20.2407
<u>5</u> 16		3125	7.9375	<u>13</u> 16		8125	20.6376
	<u>21</u> 64	328125	8.3344		<u>53</u> 64	828125	21.0345
$\left(\frac{11}{32}\right)$	22	34375	8.7313	<u>27</u> 32		84375	21.4313
	23 64	359375	9.1282		<u>55</u> 64	859375	21.8282
<u>3</u> 8	25	375	9.5250	<u>7</u>	57	875	22.2251
13	2 <u>5</u> 64	390625	9.9219	20	<u>57</u> 64	890625	22.6220
$\left(\frac{13}{32}\right)$	27	40625	10.3188	<u>29</u> 32	50	90625	23.0188
7	<u>27</u> 64	421875	10.7157	15	<u>59</u> 64	921875	23.4157
<u>7</u> 16	29	4375	11.1125	1 <u>5</u>	<u>61</u>	9375	23.8126
15	<u>29</u> 64	453125	11.5094	31	64	953125	24.2095
<u>15</u> 32	31	46875	11.9063	31 32	<u>63</u>	96875	24.6063
	31 64	484375	12.3032		64	984375	25.0032
$\frac{1}{2}$		500	12.7001	1 (1)—		_1.000	25.4001







The Right Connection®

Dixon Valve

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